

ABSTRACT

This invention is a composition that includes a transesterified fatty acid ester resulting from the reaction of a fatty acid ester, in the presence of an acid, with a hydroxyl-containing compound. The fatty acid esters of the invention are selected from those with a carbon number of eight to twenty. The hydroxyl-containing compound is an alcohol having a carbon number between one and eighteen. The resulting composition is useful as a lubricant, as a heat transfer agent, as a rheological modifier and as a corrosion/moisture inhibitor, among other uses.